

USSN 10/042,237
Art Unit 2644

Amendments to Specification

Please replaced paragraph [0037] with the following amended paragraph:

– [0037] Now the terms in the mixing matrix can be vectors. We further impose the condition that \mathbf{H} have the following form:

$$\mathbf{H} = \begin{bmatrix} H_{0,0} & 1 \\ H_{1,0} & 0 \end{bmatrix} \quad \text{--}$$

Please replaced paragraph [0038] with the following amended paragraph:

– [0038] With \mathbf{H} defined in this way, it is now possible to connect the terms in the preceding equations with the parameters available in the echo canceller layout shown in Figure 1. Let

S_0 = echo source signal = $R_{IN} = u[n]$

S_1 = ~~double~~ — edouble-talk signal

$H_{0,0}$ = echo path

$H_{1,0}$ = LMS filter coefficients = $\hat{\mathbf{w}}[n]$